

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012919\  
 Data File : VX007293.D  
 Acq On : 29 Jan 2019 17:29  
 Operator : JC/SP  
 Sample : PB116677ZHE#04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

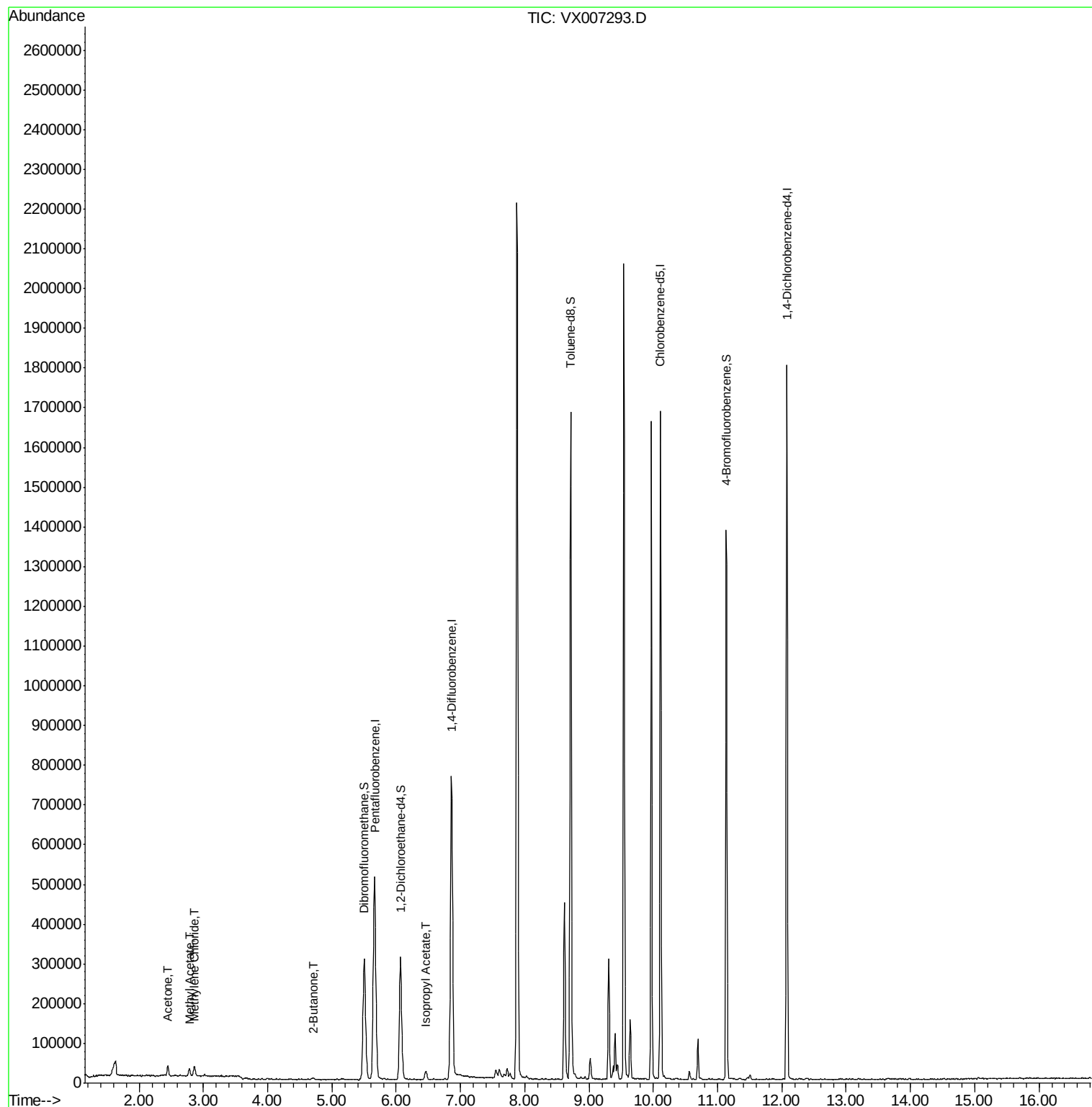
Quant Time: Jan 30 03:05:10 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 08 14:06:59 2019  
 Response via : Initial Calibration

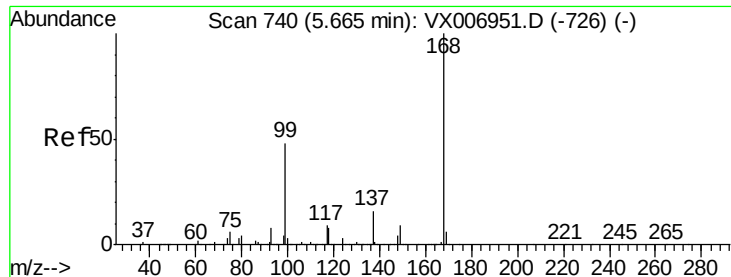
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 526947   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 815528   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 794663   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 382709   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 281478   | 51.11  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.22% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 258215   | 49.44  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.88%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1005291  | 52.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.18% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 356592   | 53.51  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.02% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.45  | 43   | 29668    | 10.897 | ug/l    | 98       |
| 18) Methyl Acetate          | 2.78  | 43   | 23802    | 3.019  | ug/l    | 95       |
| 20) Methylene Chloride      | 2.86  | 84   | 12635    | 1.896  | ug/l    | 94       |
| 25) 2-Butanone              | 4.71  | 43   | 7529     | 1.933  | ug/l #  | 89       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 28466    | 2.374  | ug/l    | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 08 14:06:59 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007293.D

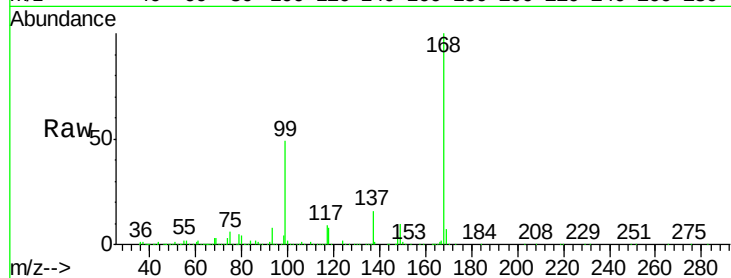
Acq: 29 Jan 2019 17:29

Tot Ion:168 Resp: 526947

Ion Ratio Lower Upper

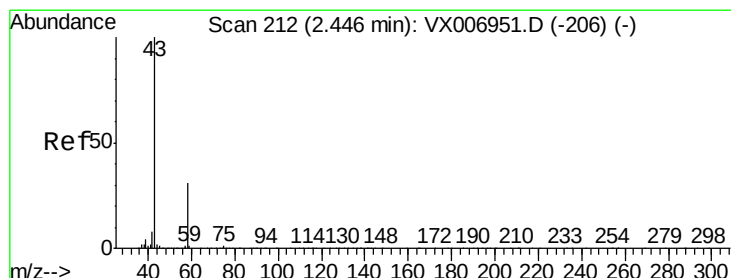
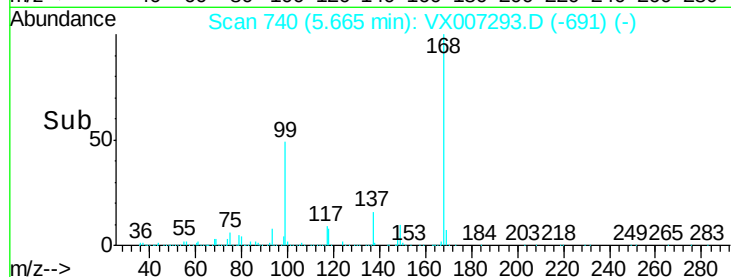
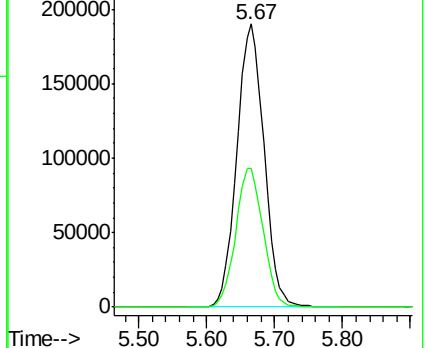
168 100

99 48.8 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 10.897 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007293.D

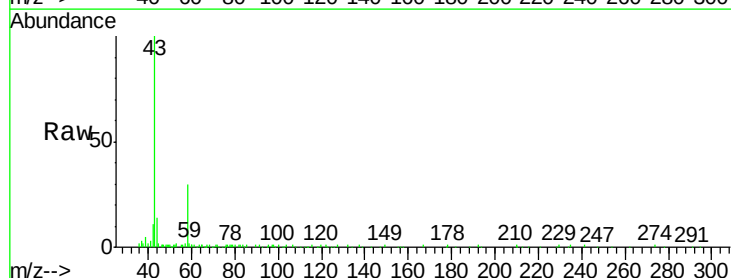
Acq: 29 Jan 2019 17:29

Tgt Ion: 43 Resp: 29668

Ion Ratio Lower Upper

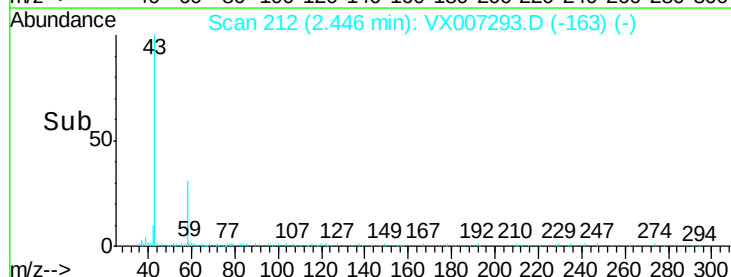
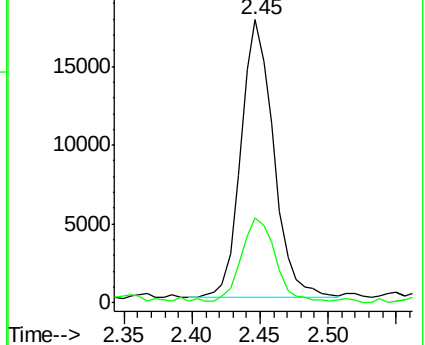
43 100

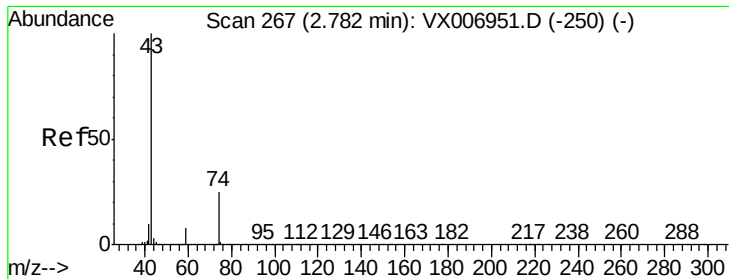
58 30.3 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

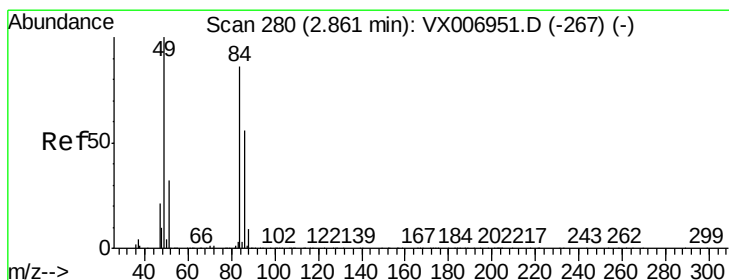
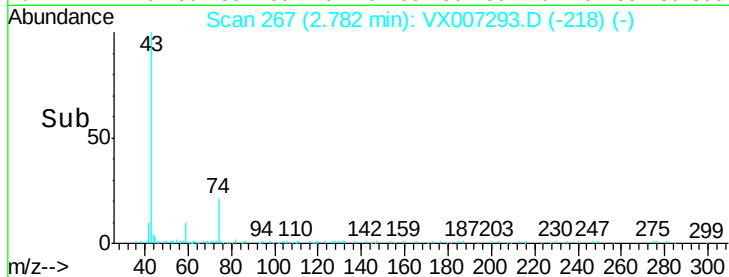
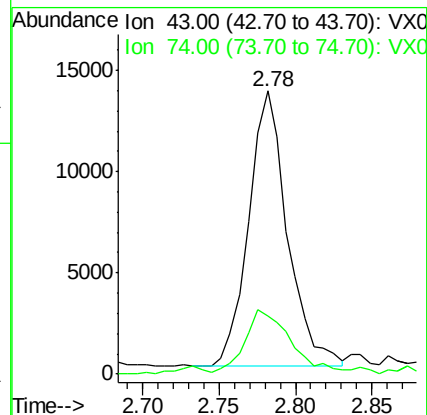
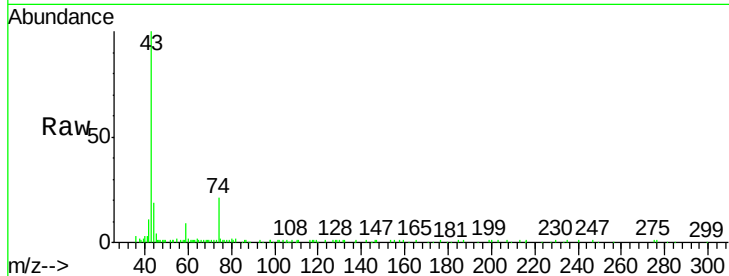
Ion 58.00 (57.70 to 58.70): VX0





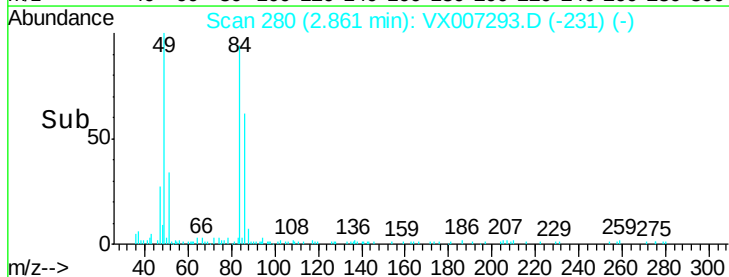
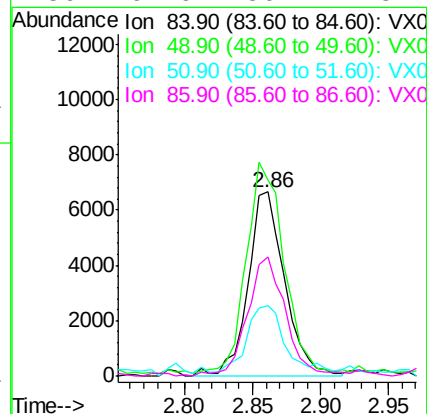
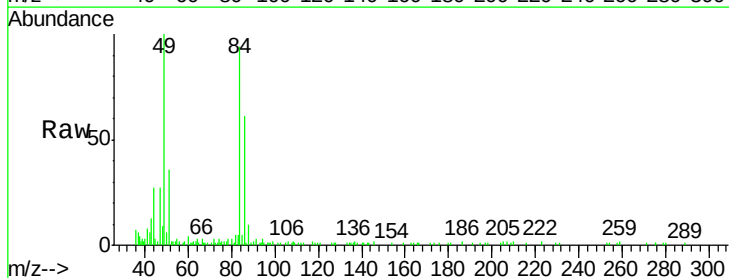
#18  
Methyl Acetate  
Concen: 3.019 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. -0.00 min  
Lab File: VX007293.D  
Acq: 29 Jan 2019 17:29

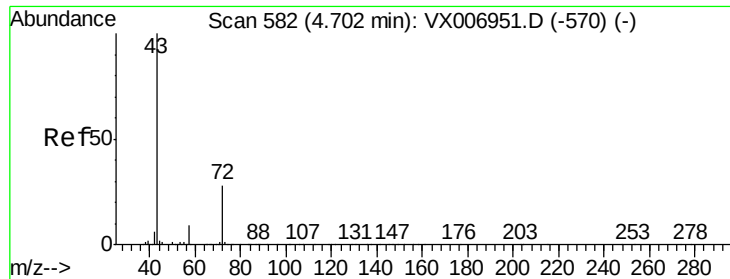
Tot Ion: 43 Resp: 23802  
Ion Ratio Lower Upper  
43 100  
74 25.7 18.6 28.0



#20  
Methylene Chloride  
Concen: 1.896 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.00 min  
Lab File: VX007293.D  
Acq: 29 Jan 2019 17:29

Tgt Ion: 84 Resp: 12635  
Ion Ratio Lower Upper  
84 100  
49 105.5 91.8 137.6  
51 36.9 28.5 42.7  
86 64.9 50.2 75.2





#25

2-Butanone

Concen: 1.933 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX007293.D

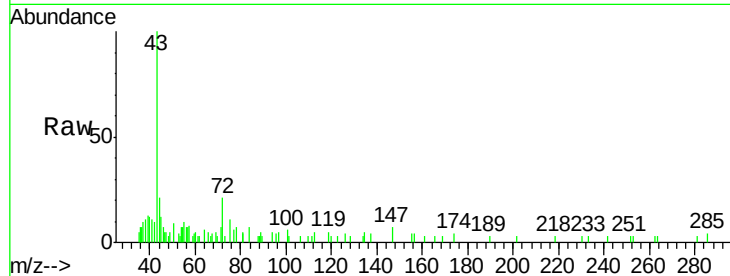
Acq: 29 Jan 2019 17:29

Tot Ion: 43 Resp: 7529

Ion Ratio Lower Upper

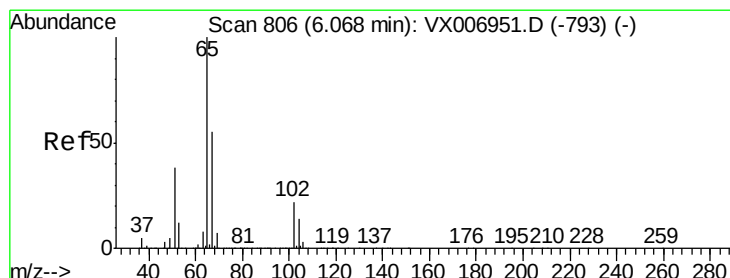
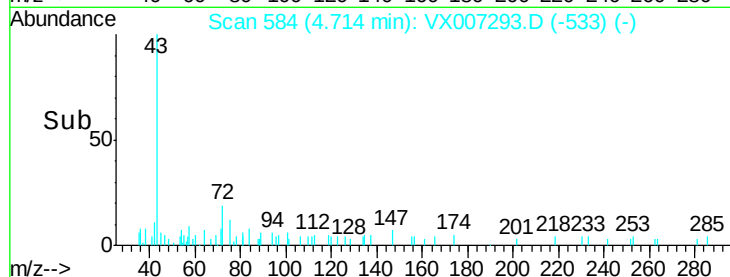
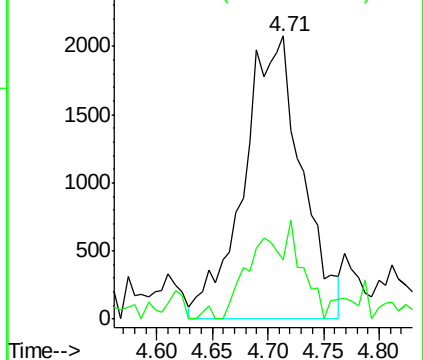
43 100

72 22.1 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.112 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007293.D

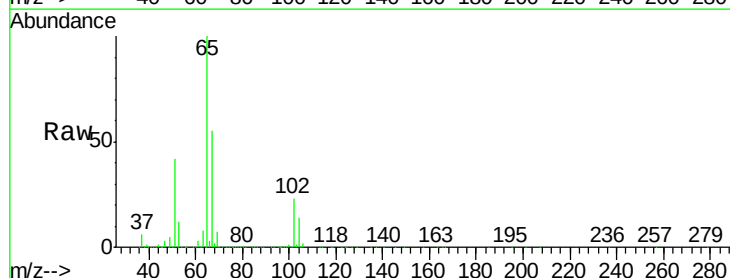
Acq: 29 Jan 2019 17:29

Tgt Ion: 65 Resp: 281478

Ion Ratio Lower Upper

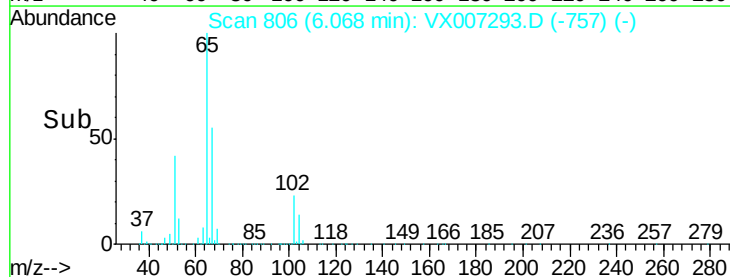
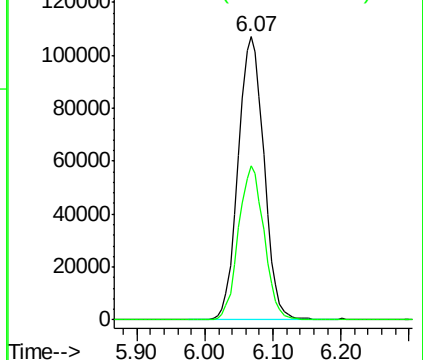
65 100

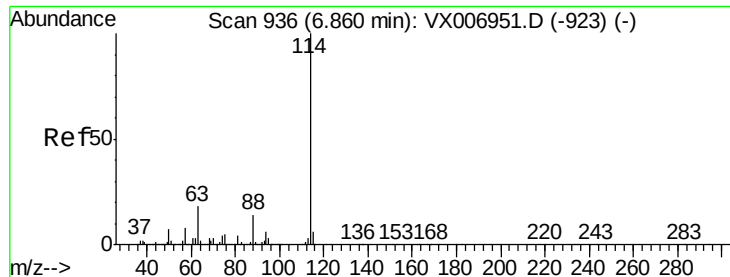
67 54.2 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007293.D

Acq: 29 Jan 2019 17:29

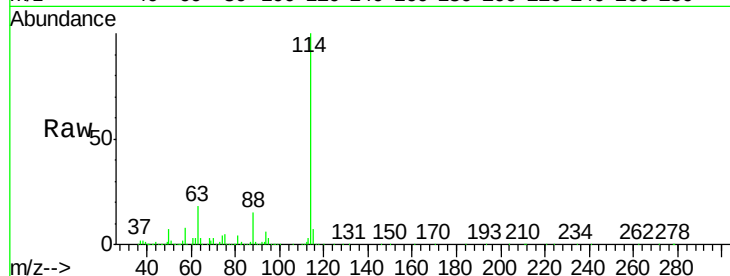
Tot Ion:114 Resp: 815528

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.8

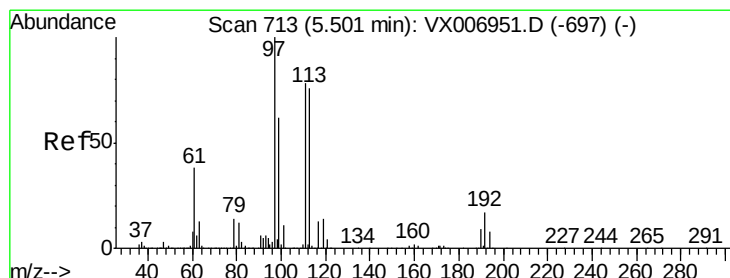
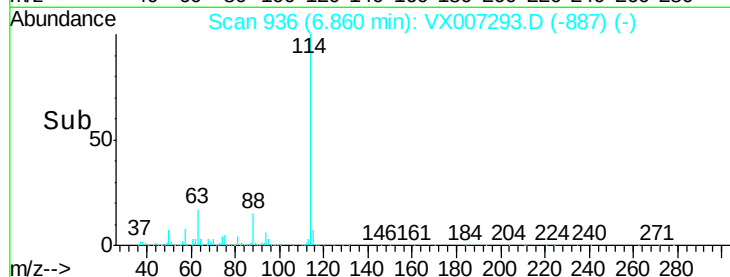
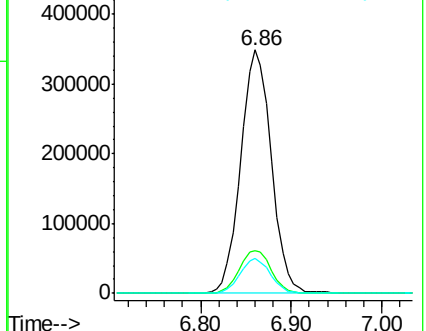
88 14.6 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.442 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007293.D

Acq: 29 Jan 2019 17:29

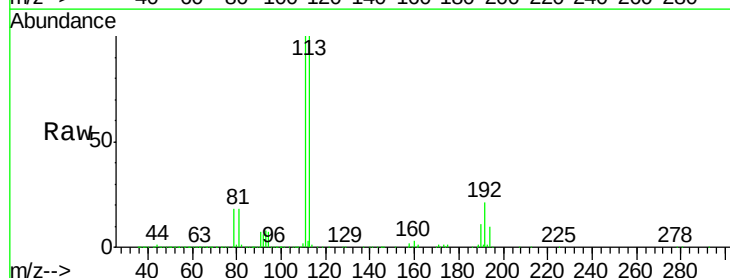
Tgt Ion:113 Resp: 258215

Ion Ratio Lower Upper

113 100

111 100.2 81.6 122.4

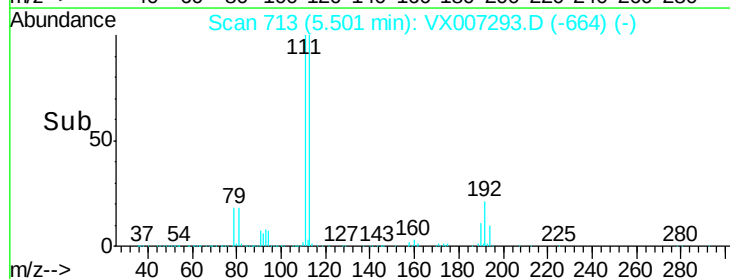
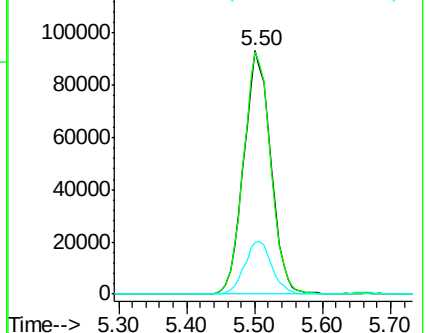
192 22.0 16.7 25.1

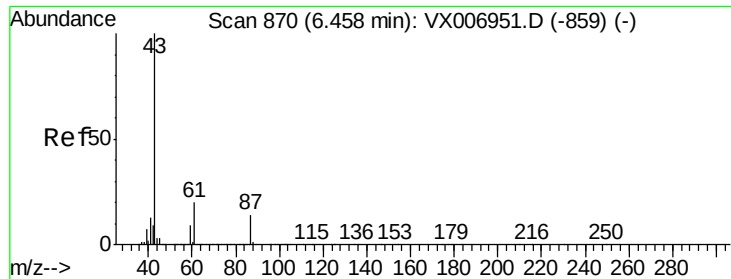


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.374 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007293.D

Acq: 29 Jan 2019 17:29

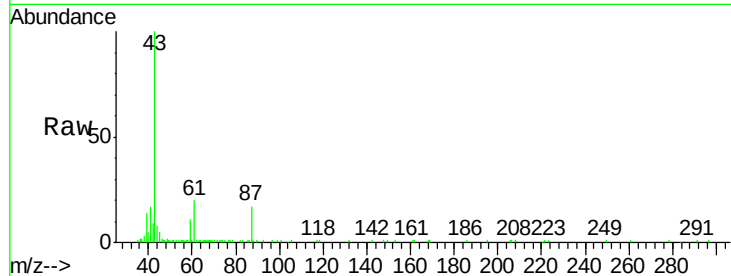
Tot Ion: 43 Resp: 28466

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 19.4  | 16.8  | 25.2  |
| 87  | 15.8  | 12.4  | 18.6  |

43 100

61 19.4 16.8 25.2

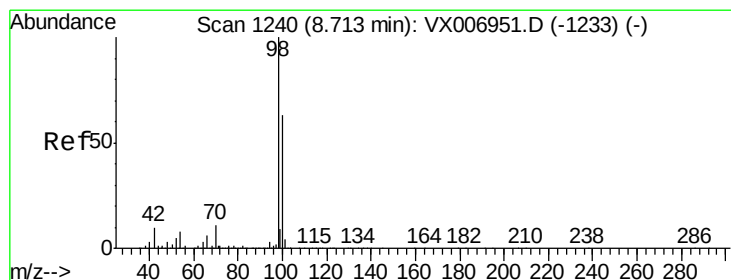
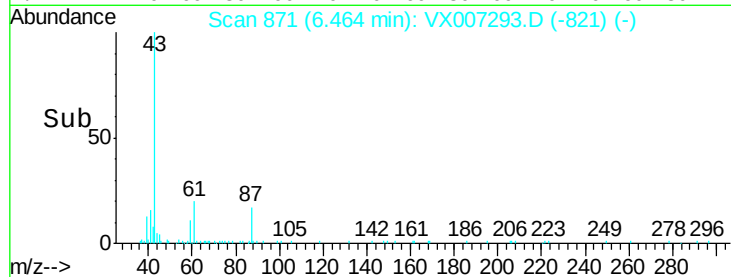
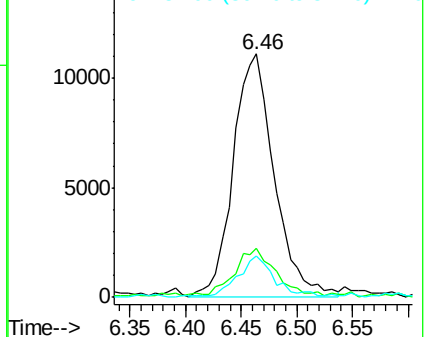
87 15.8 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 52.588 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007293.D

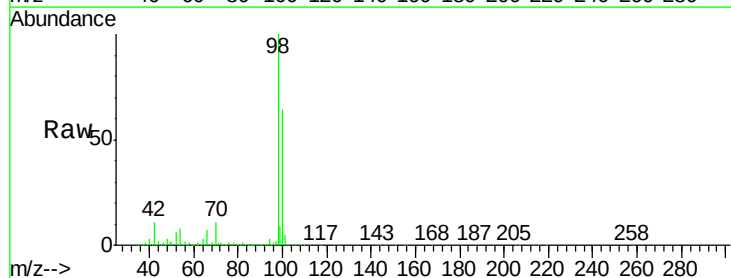
Acq: 29 Jan 2019 17:29

Tgt Ion: 98 Resp: 1005291

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 64.5  | 52.0  | 78.0  |

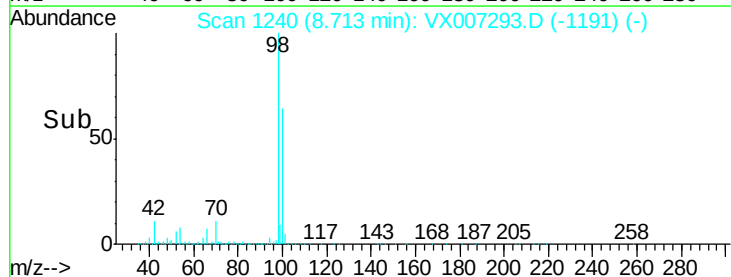
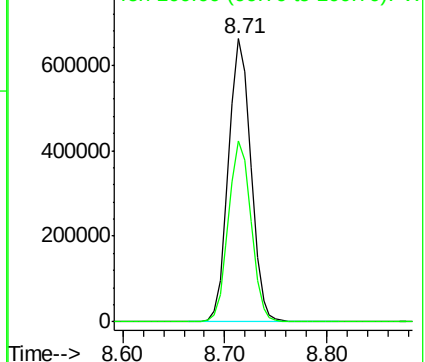
98 100

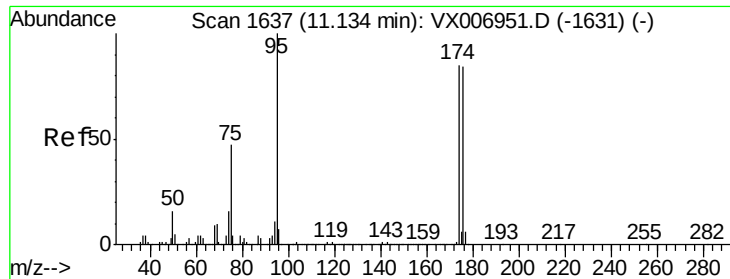
100 64.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.507 ug/l

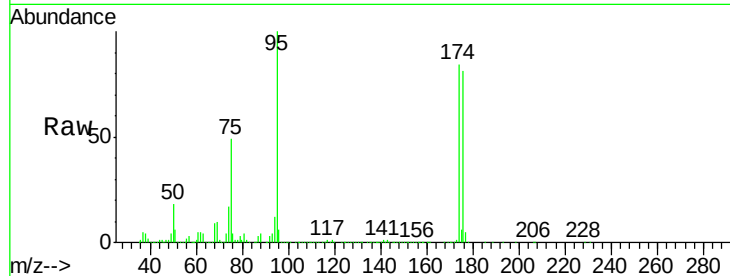
RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007293.D

Acq: 29 Jan 2019 17:29

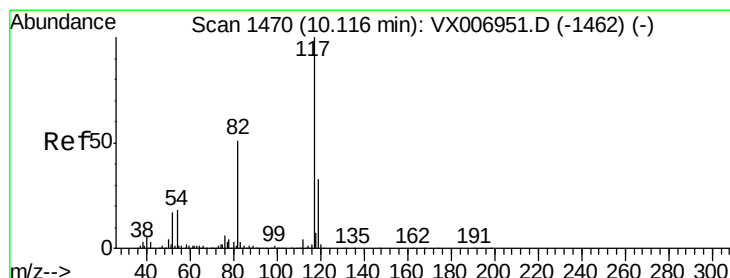
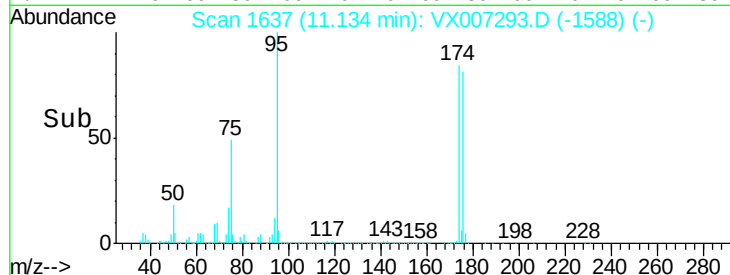
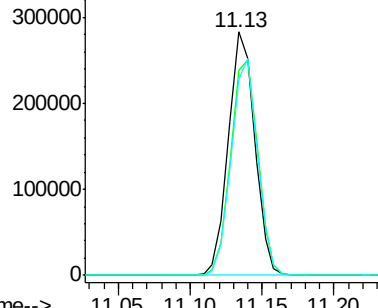
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 95    | Resp: | 356592 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 91.8  | 0.0   | 182.2  |
| 176      | 89.5  | 0.0   | 178.8  |



Abundance Ion 94.90 (94.60 to 95.60): VX006951.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006951.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006951.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

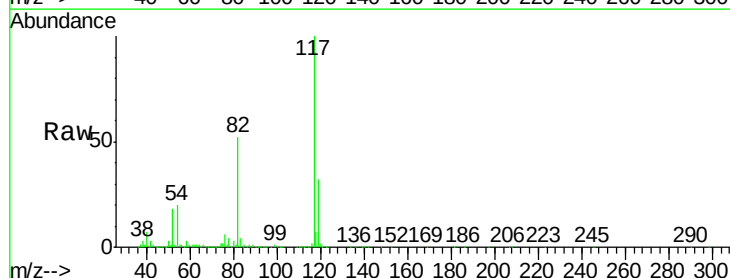
RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007293.D

Acq: 29 Jan 2019 17:29

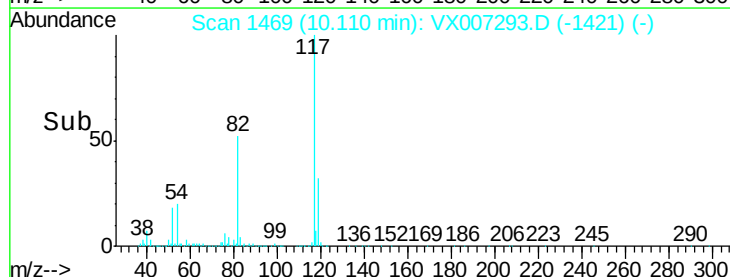
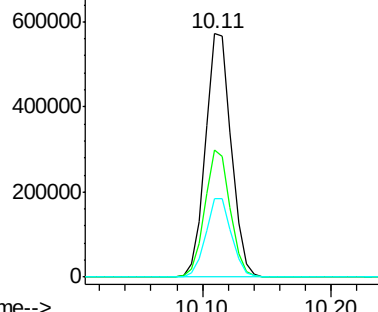
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 794663 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 52.5  | 41.0  | 61.6   |
| 119      | 32.2  | 25.4  | 38.0   |



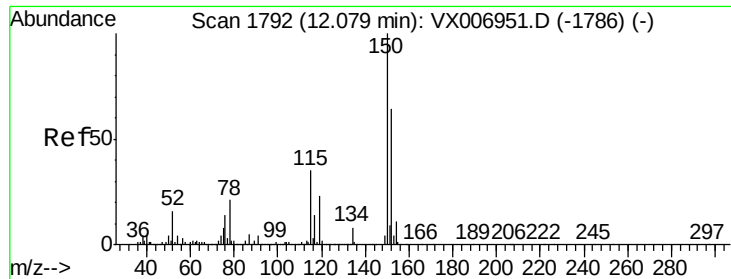
Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006951.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006951.D (-1462) (-)



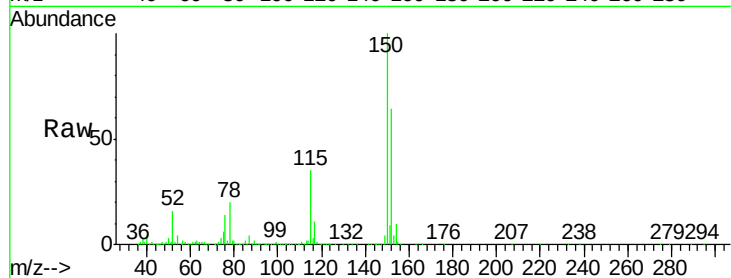




#72

1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: VX007293.D  
 Acq: 29 Jan 2019 17:29

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.8  | 39.1  | 117.2 |
| 150     | 156.8 | 0.0   | 344.8 |



Abundance Ion 151.90 (151.60 to 152.60): V  
 Ion 114.90 (114.60 to 115.60): V  
 Ion 149.90 (149.60 to 150.60): V

